Release Notes

Illustra Pro PTZ
Illustra 625 PTZ

Product Code	Model Name	Firmware
IPS02P6xxxTT	Illustra Pro PTZ, 30x	2.1.9.A18362ZZZ719
IPP02P6xxxTT	Illustra Pro PTZ, 30x, Feature Plus	2.1.9.A18362ZZZ719
ADCi625-P1xx	Illustra 625ptz, 20x	2.1.9.A18362ZZZ719
ADCi625-P2xx	Illustra 625ptz, 20x, Feature Plus	2.1.9.A18362ZZZ719

Product Data
Visit the IP Cameras section of our web site – www.illustracameras.com – to download datasheets and other documentation in PDF format.

March, 2018

Note
In case of discrepancy, the information in this document supersedes the information in any document referenced herein.

8200-1199-10 N0

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What's in This Release

Important Notice

- If the camera is currently on 1.0.3 firmware or below, it will be necessary to first upgrade to 2.0.0.411 firmware before then installing 2.1.7 firmware.
- Before upgrading your 625PTZ outdoor cameras, please check the existing firmware version from either the camera web GUI or Illustra connect. If the FW revision is **1.0.1.A4491AA810** then contact level-three technical support at: See Contact Information Below. Any other FW revision please proceed with the upgrade
- We recommend upgrading one or two cameras first to become confident with the procedure, ensure that the upgrade process is not impacted by any unanticipated local factors, and to validate the upgrade procedure completes successfully in the working security environment. This best practice minimizes the risk a large number of mission cameras are impacted by the upgrade process due to any reason that might unexpectedly interfere with the successful completion of the procedure.

What's New

Firmware 2.1.9.A18362ZZZ719 has the following improvements:

1. Enhancements in Electric Image Stabilization (ELS) on pro PTZ models.

    a. The user needs to clear the browser cache after the upgrade from build 2.17 or older.

Previous Firmware Releases

2.1.8.A17802ZZZ716

- Resolves the auto focus and auto Iris enable/disable camera web GUI options under picture settings.
- User needs to clear browser cache after upgrade to fully resolve this issue.

2.1.7.A16905ZZZ714

- Enhancement to Alarm Out (relay output) support to integrate with VideoEdge 5.1.

2.1.6.A16602ZZZ712

- Enhancements on PTZ Preset speed.

2.1.5.A15144ZZZ708

- Enhancements on PTZ (Fix for auto focus in PTZ driver).

2.1.4.A14692ZZZ706

- Enhancements on PTZ.
- Robustness enhancements with ExacqVision.

2.1.2.A12789ZZZ701

- Improved Zoom and Focus performance on our Pro PTZ units

2.1.1.A12408ZZZ698

- Enhancement to ONVIF implementation integration with 3rd party recorders.

2.1.0.A11668ZZZ600

- Removal of the QuickTime dependency for video streaming on the camera GUI.
- Removal of the Java dependency for drawing motion detection regions on the camera GUI.
- Digest HTTP authentication enabled by default when camera is in Enhanced Security mode. (See further details below).
- Enhancement to SD card event recording. Maximum of 1000 latest video clips will be displayed on camera GUI and the oldest clips will be deleted.

2.0.0.A10582ZZZ411

- Support for new Illustra Pro PTZ models - IPS02P6xxxTT and IPP02P6xxxTT – Illustra Pro PTZ, 30x.

- Motion Detection and Motion Tracking (Intelligent Guard Tours).

- Enhanced Security Features– See Quick Start Guide (QSG) and User Manual for full details.

- Support for Applications – ExacqVision Edge.

- SD Card Management and Event Download.

- New features – CIFS, SNMP, 802.1x Security, Health Monitoring.

- New Picture Settings (Illustra Pro PTZ 30x models only) – Defog, Enhanced Intensity, EIS, Frame Noise Reduction.

- Pattern recording length increased.

1.0.3.A8879AA1126

- Enhancement to PTZ control when integrating with victor Client and Keyboards.

1.0.3.A7398AA1123

- Bash upgraded from 3.2 to 4.3.27 – address shellshock security venerability with old versions of bash.
- Onvif configuration enhancement to make the number of VideoSources=1.
- A factory reset is required for this change (On the Camera Web GUI go to Setup-Networking-Maintenance-Reset).

1.0.2.A491AA929

- Support added for the optional Feature Plus functionality consisting or audio, external alarms and SD card event buffering. Additional hardware required to utilize these features.

1.0.1.A4491AA810

- Support added for i625 PTZ Outdoor model.

1.0.0.A4484AA806

- Initial Camera Firmware Release.

Enhanced Security

- On initial camera startup, or after a factory default, a user can choose to enable Enhanced Security. This setting can also be changed on the Security Status page on the camera GUI.
- In 2.1.0 firmware and above, when Enhanced Security is enabled, HTTP Authentication will be set to Digest. This will require that a user selects Digest authentication when adding the camera to a recorder.
- If Standard Security is selected, HTTP authentication will remain set to Basic.

Pro PTZ Model Description:

Pro PTZ Model Description	Product Codes
Illustra 2MP High Performance PTZ, 30x indoor, no bubble, non-vandal, black	IPS02P6ANBTT
Illustra 2MP High Performance PTZ, Feature Plus , 30x indoor, no bubble, non-vandal, black	IPP02P6ANBTT
Illustra 2MP High Performance PTZ, 30x outdoor, clear, vandal, white	IPS02P6OCWTT
Illustra 2MP High Performance PTZ, 30x outdoor, clear, non-vandal, white	IPS02P6BCWTT
Illustra 2MP High Performance PTZ, 30x outdoor, smoked, vandal, white	IPS02P6OSWTT
Illustra 2MP High Performance PTZ, 30x outdoor, smoked, non-vandal, white	IPS02P6BSWTT
Illustra 2MP High Performance Feature Plus PTZ, 30x outdoor, clear, vandal, white	IPP02P6OCWTT
Illustra 2MP High Performance Feature Plus PTZ, 30x outdoor, clear, non-vandal, white	IPP02P6BCWTT
Illustra 2MP High Performance Feature Plus PTZ, 30x outdoor, smoked, vandal, white	IPP02P6OSWTT
Illustra 2MP High Performance Feature Plus PTZ, 30x outdoor, smoked, non-vandal, white	IPP02P6BSWTT

i625 PTZ Model Description

I625PTZ Model Description	Product Codes
Illustra 625 PTZ, 1080p, 20x indoor, no bubble, non-vandal, black	ADCi625-P132
Illustra 625 PTZ, 1080p, 20x indoor, Feature Plus, no bubble, non-vandal, black	ADCi625-P232
Illustra 625 PTZ, outdoor, Feature Plus, clear, non-vandal, white	ADCi625-P222
Illustra 625 PTZ, outdoor, Feature Plus, clear, vandal, white	ADCi625-P221
Illustra 625 PTZ, outdoor, Feature Plus, smoked, vandal, white	ADCi625-P223
Illustra 625 PTZ, outdoor, Feature Plus, smoked, non-vandal, white	ADCi625-P224
Illustra 625 PTZ, outdoor, clear, vandal, white	ADCi625-P121
Illustra 625 PTZ, outdoor, clear, non-vandal, white	ADCi625-P122
Illustra 625 PTZ, outdoor, smoked, vandal, white	ADCi625-P123
Illustra 625 PTZ, outdoor, smoked, non-vandal, white	ADCi625-P124

Edge Analytics Support on firmware 2.0.0 and higher on VENVR Server and EXACQ Server

Model	Edge Motion Alarms	Edge Motion Metadata	Edge Face Alarms	Edge Face Metadata	Edge Blur Alarms
Illustra Pro PTZ i625 PTZ Series	Yes	No	No	No	No

Firmware Upgrade

The Illustra Pro PTZ / i625 PTZ Camera can be upgraded via the camera web GUI or by using Illustra Connect.

Upgrade Camera Firmware via the Web GUI

Note:
All existing camera settings are maintained when the firmware is upgraded.

It is recommended that you clear your browser cache after a firmware upgrade i625ptz-2.1.9.A18362ZZZ719.

Procedure: Upgrade the Camera Firmware using the web user interface

1. Using a web browser, connect to the camera using the IP Address and login to the web user interface.

2. Select **Setup** from the web banner to access the setup menus.

3. Select **System** and then **Maintenance** from the menu.

4. Identify the **Camera Upgrade** section from the **Maintenance** menu. Select **Browse**. The Choose file dialog will be displayed.

5. Navigate to the location where the firmware file has been saved. Select the firmware file then select the **Open** button.

Upgrade Camera Firmware via Illustra Connect

Note:
All existing camera settings are maintained when the firmware is upgraded.

Procedure: Update Camera Firmware via Illustra Connect

1. Install and launch the Illustra Connect software utility

2. From the displayed list of cameras; right-click on the camera requiring the software upgrade.

3. Select **Upgrade Firmware**. The Firmware Upload window will display.

4. Select **Choose File** and browse to the firmware upgrade file.

5. Select **Upgrade** to start the upgrade.

Known Limitations and Issues

Description	Suggested Work-Around
This firmware update is not backwards compatible. Once the firmware version 2.1.1 has been installed it will not be possible to downgrade to firmware version 1.0.x	None.
After upgrading the firmware it will be necessary to clear your browser cache for the new GUI pages to display properly.	Clear the browser cache.
Due to considerable changes to Alarms setup from v1 to v2 firmware, alarms may need to be re-enabled after the firmware upgrade on Feature Plus i625ptz cameras.	After the firmware upgrade log into the Camera GUI and go to Setup-Events and Actions – Alarm I/O and re-enable Alarms if required.
Return to auto-focus button sometimes does not work if auto-far is used to push the camera to its focus-far limit	Use focus-near button to re-focus camera or use PTZ to move camera to another position and camera will auto-focus
PTZ Statistics may not update on the i625ptz PTZ Summary page after an upgrade from 1.0.3 to 2.0.0 firmware.	A reset of the camera will restart the PTZ Statistics
Illustra Pro PTZ – Video will not display on Chrome browser due to changes in Chrome Version 45 which blocks 3rd party plugins.	Use Firefox or Internet Explorer 10 or 11.

Illustra Pro PTZ series GUI is not fully compatible with IE8 -9 - the browser will not allow for files to be uploaded to camera.
 	
This affects:
 	
• Firmware Upload
• Applications Upload
• License Certificate
• Security Certificates
• Backup files upload
• Upload Audio out clips
	This will be a common limitation across cameras which use this platform – For IE10 IE11 support some changes were required in the code that will no longer allow for this function in older IE versions.
	
	Possible workarounds:
	Solution to all of the above uploads:
	  Install IE10 or above
	  Install alternative browser –Google Chrome or Mozilla Firefox
	Solution to FW upgrade and Backup and restore only
	Install Illustra Connect tool from Cameras CD, the installer will also offer installation of the .Net pre-requisite, which is not present on ExacqVision Servers
	
	Download and install Illustra Connect tool from our website and the .Net pre-requisite from the Microsoft website

Description	Suggested Work-Around

The Pro PTZ 30x camera has several mutually exclusive features.
  1) If defog is on the WDR function has diminished performance.
  2) If Enhanced Intensity or Whiteout Reduction are on the Defog and WDR functions are automatically off.
  3) If EIS is on then:
    a) WDR is turned off, and does not come back on automatically if EIS is turned off.
    b) Open shutter is off (Maximum exposure is limited to 1/30s)
    c) Maximum zoom is limited to 2X digital (60X total).
	N/A

ONVIF Integration – Picture Settings cannot be configured from an ONVIF client.	The Camera Web GUI should be used to configure Picture Settings.
Auto – Day night mode: Return to day mode. The camera may not return to day mode (color) under some lighting conditions, in particular at high zoom magnification.	Reduce zoom magnification or move the camera to a brighter scene temporarily to trigger day mode before returning to the desired location.
Upgrade may result in high CPU fault being logged.	These faults can be safely ignored. Administrator should login to Fault Log to delete CPU Alarm message.
H264 encoding: H264 VBR Quality settings for Low and Lowest provide the same bit rate as Medium when the scene is complex or has high movement.	If greatly reducing bandwidth is desired regardless of scene complexity, a combination of reducing resolution and reducing H264 quality should be used rather than only reducing quality at high resolution.
Brightness level cannot be set to 100.	Set Brightness to 99 or lower.
Camera without a MicroSD card inserted cannot send emails when SMTP has been enabled and an alarm triggered.	Insert MicroSD Card into Camera.
Factory defaulting the camera does not change status of IPV6 - If IPV6 is disabled prior to factory default this will remain disabled.	Administrator can enable IPV6 manually. User can still search for the camera using IPV4 IP address.
During PTZ movements a user may experience image oscillation on some part of the image for a small period (approx. 5 seconds).	Depending on the scene, the camera may take up to 5 seconds to regain focus during PTZ movement resulting in portions of the image to appear oscillating
Set Privacy Zone functionality freezes when a user double left clicks on the surveillance pane (QC2427).	User can refresh the page or click cancel to recover the live video.

Description	Suggested Work-Around
Privacy zones - When drawing a privacy zone if you touch the border of the image, you lose control of the resize (QC2110)	Do not allow the zone to extend further than the draw area.
Scheduled Tasks do not run during BST (British Summer Time) change if set to run at specific changing time (QC2194)	N/A

Contact Information

If you have any questions regarding these release notes, please contact American Dynamics Technical Services at:

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